

Practical Design

2008 Awards for Excellence

In the face of today's market volatility, increasing public demand and decreasing revenue, state DOTs must deliver the transportation system better, faster and cheaper than ever before. MoDOT's Practical Design effort accomplishes that goal by building "good" projects everywhere instead of "perfect" projects somewhere.

Innovation and creativity are the keys to accomplishing Practical Design. MoDOT, partnering with the American Council of Engineering Companies of Missouri (ACEC-MO), recognizes project teams that challenge traditional engineering standards to efficiently solve today's transportation needs.

The *2008 Awards for Excellence in Practical Design* provide an opportunity for MoDOT Districts, Central Office Bridge and consultant firms to compete head-to-head for state recognition for MoDOT projects. Cities, counties and consultant firms will compete for off-system projects. All MoDOT divisions will be able to compete for non-project best practices.

RECOGNITION

Winners will be recognized during a general session of the annual TEAM Conference in St. Louis. Additionally, individual submittals will have the opportunity to be 'showcased' at the meeting.

ELIGIBILITY

- MoDOT Districts, CO Bridge and any consultant engineering firm (may or may not be a ACEC/MO or ACEC member) having designs completed or started after January 1, 2005 may compete in the MoDOT project categories. Cities, counties and their consulting firms having designs completed or started after January 1, 2005 may compete in the Off-System category. Any MoDOT division with practical design initiatives implemented after January 1, 2005 may compete in the Non-Project category.
- In general, projects must have been awarded prior to the submittal deadline. The exception to this would be the Conceptual Project category where projects would not have been awarded.
- Projects that won in 2007 are not eligible.

GENERAL CRITERIA

1. Entries must be submitted in accordance with the rules and requirements in this brochure.
2. Each MoDOT District and Division will be allowed to submit a maximum of two projects.
3. Each City and County will be allowed to submit a maximum of one project.
4. Each Consultant Firm will be allowed to submit a maximum of one MoDOT project and one Off-System project.
5. Submittal must be a Missouri project.
6. Entry forms shall not designate the category of interest.
7. **Categories** will consist of the following, but more (or fewer) categories may be created at the discretion of the judges:
 - Best Bridge Project (small & large)
 - Best Rehabilitation Project (small & large)
 - Best New Construction (small & large)
 - Most Innovative Solution (small & large)
 - Best Conceptual Project
 - Best Off-System Project
 - Best Non-Project Practice
8. **Submittal:** Six copies and one CD of the following: (a page is defined as one side of an 8½"x11" sheet). Do not bind or staple the submittals.
 - Cover Letter/Summary – Two pages
 - Backup, plans, etc. – Five pages maximum
 - 'Before' and 'During and/or After' pictures of the project
 - Completed 2008 application form
 - All information submitted should be project specific and not general firm information.
9. **Judges:**
 - 1-ACEC Member
 - 3-MoDOT Officials
 - 1-FHWA Official
 - 1-City or County Official
 - 1-Contractor Professional
10. **Publicity:** All winners will be highlighted in MoDOT's *Connections* monthly newspaper and on MoDOT's Web site, ACEC's newsletters and Web site, on the TEAM Web site, and through various news releases following the TEAM meeting. Further benefits may be gained through features presented in firms' brochures, newsletters or other print or broadcast media.
11. The *2008 Awards for Excellence in Practical Design* Committee reserves the right to determine the eligibility and category classification for all entries.
12. **Awards:** Will be presented at the 2008 TEAM Conference.

All entries must be received no later than close of business on December 15, 2007.

RATING GUIDELINES

Entries will be judged on the basis of practical design across several categories. (Judges may modify categories based on entries received).

A. Project Submittal (10 percent)

- Does the entry demonstrate a thorough summary of the difference between pre-practical design and current practical design? (i.e. How would the design have looked if practical design didn't exist, and why does the current design look the way it does?)
- Is the entry easy to understand and logical?
- *Was the public engaged in the 'new' scope?

B. Purpose and Need (20 percent)

- Does the entry adequately meet or deliver the purpose and need without unnecessarily going beyond?
- Why does the current design represent the most appropriate, efficient, effective and reasonably safe design?
- Did the submittal go far enough with practical design ... is it as lean as it can get?

C. Cost Savings (50 percent)

- ***Projects** -Total cost savings must be thoroughly documented. This will vary based on the project and the project stage, but must include detailed information to substantiate the savings being claimed. This may include information on the conceptual estimate, VE savings, initial STIP estimate and final STIP estimate and award amount.
- **Non-Projects** – Difference in cost between previous and new practice must be thoroughly documented.
- *Discuss if the practical design concept has an impact, positive or negative, on future maintenance of the facility.
- Discuss if the practical design concept has an impact, positive or negative, on the cost of right of way or utilities for the project.
- Was the pre-practical design condition being used for comparison appropriate or did it contain elements that were later removed for reasons other than practical design?

E. Roadway user expectations (10 percent)

- *Does the design minimize traffic delays during construction?
- Does the design accelerate the overall construction time and reduce impacts to the traveling public?

F. Miscellaneous (10 percent)

- To be used at the discretion of the judges.

**ALL ENTRIES MUST BE RECEIVED NO LATER THAN CLOSE OF BUSINESS
ON DECEMBER 15, 2007.**

** Does not apply to non-project practice.*

**MoDOT PROJECTS
2008 APPLICATION FORM**
(required for each entry)

Job No. _____ **Route** _____ **County** _____

STIP Description (Scoping or Construction, state which STIP) _____

Is the submittal for the entire project or just a portion of the project? Please explain: _____

Project Manager (could have both) **MoDOT** _____ **Consultant** _____

Key core team members as approved by the MoDOT PM (may include consultants) (limit of 9)

Project Contacts: **District** _____ **Consultant** _____

Project Budget:

Conceptual budget \$ _____ **Initial STIP Budget** \$ _____

Final STIP budget \$ _____ **Award amount** \$ _____

Other : _____

Value Engineering study during design? yes ☐ no ☐ (if yes) **Project Stage** _____

Total VE savings implemented \$ _____ **VE Contact Person** _____

Construction-stage VE (VECP)? yes ☐ no ☐ (if yes) **Explain** _____

Total VECP savings \$ _____ **VECP Contact Person** _____

What would make this entry stand out from the rest of the entries when considering MoDOT's practical design philosophy? (In layman's terms - 100 words or less) _____

Send entries to: MoDOT Design Division, ATTN: Jay Bestgen
1320 Creek Trail Dr., Jefferson City, Missouri 65109

ALL ENTRIES MUST BE RECEIVED NO LATER THAN CLOSE OF BUSINESS ON DECEMBER 15, 2007.

**OFF SYSTEM PROJECTS
2008 APPLICATION FORM**
(required for each entry)

Federal Project No. _____

Local Public Agency _____ **Route** _____

Description (brief description of primary scope of project) _____

Is the submittal for the entire project or just a portion of the project? Please explain: _____

Project Contact for:

Local Public Agency _____

Consultant (if applicable) _____

MoDOT (if applicable) _____

Other Key personnel (may include consultants) (limit of 9)

_____	_____	_____
_____	_____	_____
_____	_____	_____

Project Budget:

Preliminary Estimate \$ _____ **Award amount** \$ _____

Value Engineering study during design? yes ☐ no ☐ (if yes) **Project Stage** _____

Total VE savings implemented \$ _____ **VE Contact Person** _____

Construction-stage VE (VECP)? yes ☐ no ☐ (if yes) **Explain** _____

Total VECP savings \$ _____ **VECP Contact Person** _____

What would make this entry stand out from the rest of the entries when considering MoDOT's practical design philosophy? (In layman's terms - 100 words or fewer) _____

Send entries to: MoDOT Design Division, ATTN: Jay Bestgen
1320 Creek Trail Dr., Jefferson City, Missouri 65109

ALL ENTRIES MUST BE RECEIVED NO LATER THAN CLOSE OF BUSINESS ON DECEMBER 15, 2007.

**NON-PROJECT PRACTICE
2008 APPLICATION FORM**
(required for each entry)

Process or Product _____

Description (brief description of process or product before and after analysis) _____

Team Leader _____

Other Key personnel (limit of 9)

_____	_____	_____
_____	_____	_____
_____	_____	_____

Overall Savings:

Cost of using process or product before value analysis \$ _____

Explanation _____

Cost of using process or product after value analysis \$ _____

Explanation _____

What would make this entry stand out from the rest of the entries when considering MoDOT's practical design philosophy? (In layman's terms - 100 words or fewer) _____

Send entries to: MoDOT Design Division, ATTN: Jay Bestgen
1320 Creek Trail Dr., Jefferson City, Missouri 65109

ALL ENTRIES MUST BE RECEIVED NO LATER THAN CLOSE OF BUSINESS ON DECEMBER 15, 2007.